

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1315773

Luminaire Tested: LDSQA3D17R309735DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315773
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R309735DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

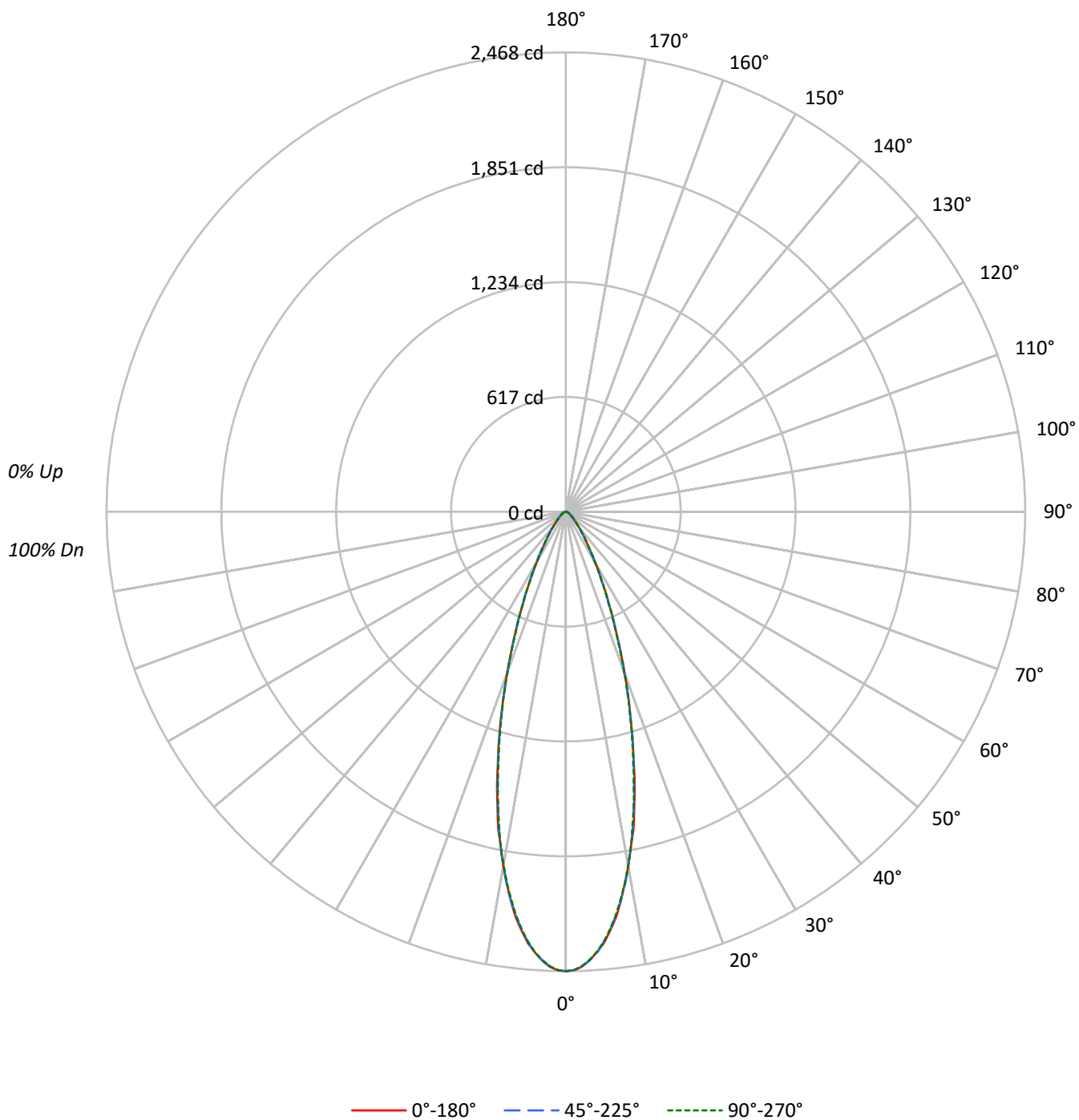
Lumens per Lamp: N/A
Luminaire Lumens: 1084.0 lumens
Efficiency: N/A
Efficacy: 51.1 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1315773

CATALOG NUMBER: LDSQA3D17R309735DE010 3LSQPHRL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1315773

CATALOG NUMBER: LDSQA3D17R309735DE010 3LSQPHRL1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	425097	425097	425097
5°	402449	401429	401221
10°	338112	338112	336853
15°	251899	251258	249760
20°	168595	167715	167935
25°	103926	103698	104154
30°	62484	62484	62722
35°	38328	38328	38580
40°	24258	24258	24798
45°	16659	16952	16952
50°	12218	12218	12218
55°	9368	9728	9728
60°	7853	7853	8267
65°	6846	6846	6846
70°	6043	6647	6647
75°	5590	5590	5590
80°	4761	4761	4761
85°	2371	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 16952 cd/sqm

TEST NUMBER: P1315773

CATALOG NUMBER: LDSQA3D17R309735DE010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.2	19.3
10°-20°	386.4	35.6
20°-30°	256.8	23.7
30°-40°	118.7	11.0
40°-50°	55.2	5.1
50°-60°	29.5	2.7
60°-70°	17.2	1.6
70°-80°	9.1	0.8
80°-90°	2.0	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	852.4	78.6
0°-40°	971.2	89.6
0°-60°	1055.8	97.4
0°-90°	1084.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1084.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2468	2468	2468	2468	2468	
5°	2328	2323	2322	2328	2321	209
15°	1413	1418	1409	1409	1401	388
25°	547	546	546	546	548	257
35°	182	181	182	184	184	118
45°	68	68	70	70	70	55
55°	31	32	32	32	32	29
65°	17	17	17	17	17	17
75°	8	8	8	8	8	9
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

TEST NUMBER: P1315773

CATALOG NUMBER: LDSQA3D17R309735DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2468.3	2468.3	2468.3	2468.3	2468.3
1°	2463.5	2461.1	2463.5	2467.1	2462.3
2°	2446.7	2444.3	2444.3	2449.1	2444.3
3°	2414.3	2416.7	2415.5	2420.3	2411.9
4°	2373.5	2372.3	2377.1	2379.5	2372.3
5°	2327.9	2323.1	2322.0	2327.9	2320.8
6°	2265.6	2262.0	2259.6	2266.8	2257.2
7°	2198.4	2196.0	2192.4	2194.8	2187.6
8°	2115.7	2114.5	2112.1	2114.5	2106.1
9°	2023.3	2023.3	2028.1	2026.9	2022.1
10°	1933.4	1935.8	1933.4	1935.8	1926.2
11°	1832.6	1832.6	1835.0	1833.8	1835.0
12°	1745.1	1735.5	1733.1	1730.7	1723.5
13°	1632.3	1625.1	1622.7	1625.1	1621.5
14°	1529.2	1524.4	1512.4	1514.8	1510.0
15°	1412.8	1417.6	1409.2	1409.2	1400.8
17.5°	1155.0	1150.2	1152.6	1153.8	1150.2
20°	919.9	917.5	915.1	912.7	916.3
22.5°	714.8	716.0	713.6	711.2	708.8
25°	546.9	545.7	545.7	545.7	548.1
27.5°	415.0	415.0	415.0	416.2	416.2
30°	314.2	311.8	314.2	315.4	315.4
32.5°	235.1	237.5	238.7	238.7	238.7
35°	182.3	181.1	182.3	183.5	183.5
37.5°	139.1	139.1	140.3	140.3	141.5
40°	107.9	107.9	107.9	109.1	110.3
42.5°	85.2	85.2	86.4	86.4	87.6
45°	68.4	68.4	69.6	69.6	69.6
47.5°	55.2	55.2	56.4	56.4	56.4
50°	45.6	45.6	45.6	45.6	45.6
52.5°	38.4	37.2	38.4	38.4	38.4
55°	31.2	32.4	32.4	32.4	32.4
57.5°	26.4	27.6	27.6	27.6	27.6
60°	22.8	22.8	22.8	24.0	24.0
62.5°	19.2	20.4	20.4	20.4	20.4
65°	16.8	16.8	16.8	16.8	16.8
67.5°	14.4	14.4	14.4	14.4	15.6
70°	12.0	12.0	13.2	13.2	13.2
72.5°	10.8	10.8	10.8	10.8	10.8
75°	8.4	8.4	8.4	8.4	8.4
77.5°	6.0	6.0	7.2	7.2	6.0
80°	4.8	4.8	4.8	4.8	4.8
82.5°	3.6	3.6	3.6	3.6	3.6
85°	1.2	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1315773

CATALOG NUMBER: LDSQA3D17R309735DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)